

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09712/032001		SERIAL NO. 09/305,808	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT William A. Shull et al.			
				FILING DATE April 28, 1999		GROUP 2878	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3	6	4	7	3	0	2	03/1972	Zipin et al.			
	AB	3	9	8	7	3	7	3	10/1976	Mohler			
	AC	4	1	4	3	3	3	9	03/1979	Buzzard et al.			
	AD	4	4	1	3	3	4	2	11/1983	Cohen et al.			
	AE	4	6	1	7	6	6	6	10/1986	Liu			
	AF	4	6	1	8	9	5	7	10/1986	Liu			
	AG	4	9	4	8	2	5	4	08/1990	Ishida			
	AH	5	0	2	7	3	6	1	06/1991	Kozlovsky et al.			
	AI	5	0	9	1	9	1	3	02/1992	Zhang et al.			
	AJ	5	1	7	9	5	6	2	01/1993	Marason et al.			
	AK	5	3	8	1	4	2	7	01/1995	Wedekind et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ	"High-power cw UV at 266 nm Generated with Single-Frequency Verdi," Coherent Laser Group.
AR	"95-SHG Intracavity Doubled Argon Laser," LEXEL LASER, INC., 2/1999.
AS	"Generation of 369.4-nm Second Harmonic From a Diode Laser," NASA Tech Briefs, pp. 56, 58, January 1995.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

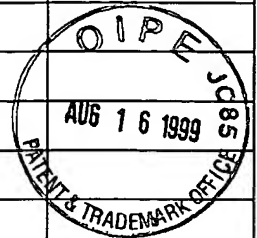
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	BA	5 4 0 4 2 2 2	04/1995	Lis			
	BB	5 4 6 7 2 1 4	11/1995	Heflinger et al.			
	BC	5 6 2 7 8 4 9	05/1997	Baer			
	BD	5 6 5 7 3 4 1	08/1997	Hyuga			
	BE	5 7 3 2 0 9 5	03/1998	Zorabedian			
	BF	5 7 6 8 3 0 4	06/1998	Goto			
	BG	5 7 4 8 3 1 3	05/1998	Zorabedian			
	BH	5 7 4 8 3 1 5	05/1998	Kawai et al.			
	BI	5 7 5 7 4 8 9	05/1998	Kawakami			
	BJ	5 7 6 4 3 6 2	06/1998	Hill et al.			
	BK	5 7 6 7 9 7 1	06/1998	Kawai et al.			
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	BL						
	BM						
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	BP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	BQ	Adhav, "Materials for Optical Harmonic Generation," Laser Focus, pp. 73-77, June 1983.					
	BR	Barnes et al., "Variation of the Refractive Index with Temperature and the Tuning Rate for KDP Isomorphs," J.Opt. Soc. Am., 72:895-898, July 1982.					
	BS	Baumert et al., "High-efficiency Intracavity Frequency Doubling of a Styryl-9 Dye Laser with KNbO ₃ Crystals," Applied Optics, 24:1299-1301, May 1, 1985.					
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William A. Shull et al.FILING DATE
April 28, 1999GROUP
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(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	5 8 3 8 4 8 5	11/1998	de Groot et al.			
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	CL					
	CM					
	CN					
	CO					
	CP					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	CQ	Dalton, "Glass to Metal Seals," First Symposium on the Art of Glassblowing", pp. 13-24, 1956.
	CR	Dmitriev et al. "Three- and Four-Wave (Three- and Four-Frequency) Interactions in Nonlinear Media," Handbook of Nonlinear Optical Crystals, 3-14 and 188-191.
	CS	Hercher, "Tunable Single Mode Operation of Gas Lasers Using Intracavity Tilted Etalons," Applied Optics, 8:1103-1106, June 1969.

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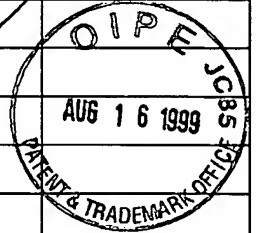
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

DQ	Kogelnik et al., "Astigmatically Compensated Cavities for cw Dye Lasers," IEEE Journal of Quantum Electronics, QE-8:373-379, March 1972.
DR	Kuhling et al., "Frequency Doubling Within the Resonator of a Helium Neon Laser," Laser und Optoelektronik, 21:46-49, 1989 (translation attached).
DS	Smith, "On the Optimum Geometry of a 6328A Laser," IEEE Journal of Quantum Electronics, QE-2:77-79, April 1966.

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EO								
EP								

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EQ	Spiller, "Experimental Investigations on Gain and Maximum Output of the He-Ne Laser," Zeitschrift fur Physik, 182:487-498 (1965).	
ER	Stoleru et al., "Frequency Doubling of He-Ne Laser Radiation at 632.8 nm," Pure Appl. Opt., 5:119-124 (1996).	
ES	Achav et al., "Guide to Efficient Doubling," Laser Focus, pp. 47-48, May 1974.	

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